





## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MITCHELL D. TROTT

Application No.: 09/676,885

Filed: September 29, 2000

For: **REPETITIVE PAGING FROM A** 

WIRELESS DATA BASE STATION

HAVING A SMART ANTENNA

**SYSTEM** 

Art Group: 2821

Examiner: Unassigned

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## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 CFR § 1.56 and in accordance with 37 C.F.R. § 1.97, enclosed is a copy of Information Disclosure Citation Form PTO-1449 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of the Information Disclosure Citation Form PTO-1449 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any additional fee due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Respectfully submitted,

Day M. William Milli

BLAKELY, SOKOLOFF TAYLOR & ZAFMAN LLP

Date:

February 20, 2001

Gregory D. Caldwell, Reg. No. 39,926

12400 Wilshire Blvd., 7th Floor Los Angeles, California 90025 Telephone: (503) 684-6200 **CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 to the Patent and Trademark Office on: *February 20, 2001*.

02/20/01

Date

FEB 2 6 2001

6AU-2821

PTO/SB/17 (12/99)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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## FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

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Col	mplete if Known
Application No.	09/6/6,885
Filing Date	September 29, 2000
First Named Inventor	Mitchell D. Trotto
Examiner Name	Unassigned 8
Group/Art Unit	2821 3 - 4
Attorney Docket Number	15685P026

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued) 78 3. ADDITIONAL FEE			
The Commissioner is hereby authorized to credit any overpayments to:	3. ADDITIONAL FEE			
credit any overpayments to:  Deposit	Large Entity Small Entity			
Account 02-2666		ee Paid		
Number	Code (\$) Code (\$)			
Account Blakely, Sokoloff, Taylor & Zafman LLP	105 130 205 65 Surcharge - late filing fee or oath			
Name	127 50 227 25 Surcharge - late provisional filing fee or			
Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16,1.17, 1.18 and 1.20.	cover sheet.  139 130 139 130 Non-English specification			
Applicant claims small entity status.	147 2,520 147 2,520 For filing a request for reexamination			
Applicant claims small entity status. See 37 CFR 1.27.	112 920* 112 920*Requesting publication of SIR prior to Examiner action			
2. Payment Enclosed:	113 1,840* 113 1,840*Requesting publication of SIR after			
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ Other	Examiner action			
— — — — Older —	115 110 215 55 Extension for response within first month			
FEE CALCULATION	116 390 216 195 Extension for response within second month			
1. BASIC FILING FEE	117 890 217 445 Extension for response within third month			
Large Entity Small Entity	118 1,390 218 695 Extension for response within fourth month			
Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	128 1,890 228 945 Extension for response within fifth month			
101 710 201 355 Utility filing fee	119 310 219 155 Notice of Appeal			
106 320 206 160 Design filing fee	120 310 220 155 Filing a brief in support of an appeal			
107 490 207 245 Plant filing fee	121 270 221 135 Request for oral hearing			
108 710 208 355 Reissue filing fee	138 1,510 138 1,510 Petition to institute a public use proceeding	,		
114 150 214 75 Provisional filing fee	140 110 240 55 Petition to revive - unavoidable			
SUBTOTAL (1) (\$)	141 1,240 241 620 Petition to revive - unintentional			
	142 1,240 242 620 Utility issue fee (or reissue)			
2. EXTRA CLAIM FEES Extra Fee from	143 440 243 220 Design issue fee			
Claims below Fee Paid Total Claims	144 600 244 300 Plant issue fee			
Independent —— —— —— —— —— —— —— —— —— —— —— —— ——	122 130 122 130 Petitions to the Commissioner			
Claims	123 130 123 130 Petitions related to provisional applications			
Multiple Dependent	126 180 126 180 Submission of Information Disclosure Stmt			
*or number previously paid, if greater, For Reissues, see below  Large Entity Small Entity	581 40 581 40 Recording each patent assignment per property (times number of properties)			
Fee Fee Fee Fee Description	146 710 246 355 Filing a submission after final rejection	<del></del>		
Code (\$) Code (\$)	(37 CFR 1.129(a))			
103 18 203 9 Claims in excess of 20	149 710 249 355 For each additional invention to be			
102 80 202 40 Independent claims in excess of 3	examined (37 CFR 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE)			
104 260 204 135 Multiple Dependent claim, if not paid 109 80 209 40 **Reissue independent claims	169 900 169 900 Request for expedited examination			
109 80 209 40 **Reissue independent claims over original patent	of a design application	1		
110 18 210 9 **Reissue claims in excess of 20	Other fee (specify)			
and over original patent  Other fee (specify)				
SUBTOTAL (2) (\$)	*Reduced by Basic Ffing Fee Paid SUBTOTAL (3) (\$)			
CUDMITTED DV	0			
SUBMITTED BY	Complete (if applicable			
Name (Print/Type) Gregory D. Caldwell	Registration No. 39,926 Telephone (503) 684-6	5200		

Signature 02/20/01 Date WARNING: Information on this form may become public. Credit card information should not

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/676,885 Filing Date September 29, 2000 First Named Inventor Mitchell D. Trott Group Art Unit 2821 **Examiner Name** Unassigned Attorney Docket Number 15685P026

Complete if Known

of 2 Sheet 1

		U.S.	PATENT DOCUMENTS			
Cite No.	Document Number	Date	Name	Class	Sub- class	Filing Date (if appropriate)
I	5,553,074	09/03/96	Acampora			
2	5,697,066	12/09/97	Acampora	-		
3	5,732,076	03/24/98	Ketseoglou et al.		<del></del>	
4	5,748,676	05/05/98	Mahany			
5	5,774,461	06/30/98	Hyden et al.			
6	5,933,421	08/03/99	Alamouti et al.	-		
7	6,018,555	01/25/00	Mahany			6
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	No. 1 2 3 4 5 6	No. Number  1 5,553,074  2 5,697,066  3 5,732,076  4 5,748,676  5 5,774,461  6 5,933,421	Cite No.         Document Number         Date           1         5,553,074         09/03/96           2         5,697,066         12/09/97           3         5,732,076         03/24/98           4         5,748,676         05/05/98           5         5,774,461         06/30/98           6         5,933,421         08/03/99	No.         Number           1         5,553,074         09/03/96         Acampora           2         5,697,066         12/09/97         Acampora           3         5,732,076         03/24/98         Ketseoglou et al.           4         5,748,676         05/05/98         Mahany           5         5,774,461         06/30/98         Hyden et al.           6         5,933,421         08/03/99         Alamouti et al.	Cite No.         Document Number         Date         Name         Class           1         5,553,074         09/03/96         Acampora           2         5,697,066         12/09/97         Acampora           3         5,732,076         03/24/98         Ketseoglou et al.           4         5,748,676         05/05/98         Mahany           5         5,774,461         06/30/98         Hyden et al.           6         5,933,421         08/03/99         Alamouti et al.	Cite No.         Document Number         Date         Name         Class Subclass           1         5,553,074         09/03/96         Acampora           2         5,697,066         12/09/97         Acampora           3         5,732,076         03/24/98         Ketseoglou et al.           4         5,748,676         05/05/98         Mahany           5         5,774,461         06/30/98         Hyden et al.           6         5,933,421         08/03/99         Alamouti et al.

## FOREIGN PATENT DOCUMENTS

Exam. Initials	Cite No.	Document Number	Date	Country	Class	Sub- class	Transl Yes	ation No
	8	WO 98/28864	02/Jul/98		_			
	9	WO 98/33346	30/Jul/98					

Examiner	Date	
Signature	Considered	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

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Substitute for form 1449A/PTO				Complete if Known			
INFO	1 MOITAMS	DISCLOS	SURF	Application Number	09/676,885		
INFORMATION DISCLOSURE				Filing Date	September 29, 2000		
STAT	STATEMENT BY APPLICANT			First Named Inventor	Mitchell D. Trott		
				Group Art Unit	2821		
				Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	15685P026		

OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)

Exam. Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	10	Zhang et al., "Performance of a Modified Polling Strategy for Broadband Wireless LANs in a Harsh Fading Environment," GLOBECOM '91, January 1991, pp. 1141-1146.
	11	Acampora et al., "A New Adaptive MAC Layer Protocol for wireless ATM Networks in Harsh Fading and Interference Environments," 1997 IEEE, August 1997, pp. 410-415.
	12	Krishnamurthy et al., "Polling Based Media Access Protocols for Use With Smart Adaptive Array Antennas," 1998 IEEE, January 1998, pp. 337-344.
	13	Xu et al., "Throughput Multiplication of Wireless LANs for Multimedia Services: SDMA Protocol Design," 1994 IEEE, 1994, pp.1326-1332.
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Examiner	Date
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